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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/806,098

03/23/2004

Tomonori Soeda

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24956

7590

02/08/2006

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 DIAGONAL ROAD
SUITE 370
ALEXANDRIA, VA 22314

EXAMINER

BROUSSARD, COREY M

ART UNIT

PAPER NUMBER

2835

DATE MAILED: 02/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/806,098

Applicant(s)

SOEDA ET AL.

Examiner

Corey M. Broussard

Art Unit

2835

fm

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 December 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-10 and 12 is/are allowed.
- 6) ☒ Claim(s) 11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 11 recites the limitation "in said plurality of logic board units" in line 11.

There is insufficient antecedent basis for this limitation in the claim. The Examiner suggests either deleting the identified phrase from the claim or replacing it with --in said chassis--.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Guyer et al. (PN 6,583,989) in view of Soltow et al. (PN 4,715,571). Guyer teaches a disk array device (11) comprising a plurality of logic boards (compute units 29 inherently contains logic boards), which are detachably mounted on a chassis (col 5, 24-29), and which connect respectively to a plurality of external devices via a plurality of cables (see Fig. 4, 6). Guyer lacks specific teaching of a plurality of movable cable supporting portions on a rail portion. Soltow teaches disposing a plurality of movable cable supporting

portions (1 are moveable between mounting portions 83) on a rail portion (84, 53) and detachably supporting cables (11, 12) respectively in said movable cable supporting portions. It would have been obvious to a person of ordinary skill in the electrical art to combine the computer system of Guyer with the rail mounted movable cable supports of Soltow where the rail is positioned in the normal path of the cables (see Fig. 4 of Guyer) and parallel to the direction of the compute units (the rail must be about perpendicular to the normal path of the cables in order to support the cables as taught by Soltow) for the benefit of supported and organized cables simplifying the addition and replacement of the components of the computer system.

Allowable Subject Matter

5. Claims 1-10, and 12 are allowed.
6. The following is a statement of reasons for the indication of allowable subject matter: The allowability resides in the overall structure of the device as recited in independent apparatus claim 1 and at least in part, because claim 1 recites: "...a plurality of movable cable supporting portions, which are movably disposed on said rail portion...".

The aforementioned limitations in combination with all remaining limitations of claim 1 are believed to render said claim 1 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Guyer et al. (PN 6,583,989).

Guyer teaches wherein a disk array device comprising a plurality of log boards detachably mounted on a chassis, but did not disclose "...a plurality of movable cable supporting portions, which are movably disposed on said rail portion...".

7. The allowability resides in the overall structure of the device as recited in independent apparatus claim 10 and at least in part, because claim 10 recites: "...a plurality of movable cable supporting portions, which are movably disposed on said rail portion ...".

The aforementioned limitations in combination with all remaining limitations of claim 10 are believed to render said claim 10 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Guyer et al. (PN 6,583,989).

Guyer teaches wherein a disk array device comprising a plurality of log boards detachably mounted on a chassis, but did not disclose "...a plurality of movable cable supporting portions, which are movably disposed on said rail portion...".

8. The allowability resides in the overall structure of the device as recited in independent apparatus claim 12 and at least in part, because claim 12 recites: "...a plurality of movable cable supporting portions, which are movably disposed on said rail portion ...".

The aforementioned limitations in combination with all remaining limitations of claim 12 are believed to render said claim 12 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Guyer et al. (PN 6,583,989).

Guyer teaches wherein a disk array device comprising a plurality of log boards detachably mounted on a chassis, but did not disclose "... a plurality of movable cable supporting portions, which are movably disposed on said rail portion...".

Response to Arguments

9. Applicant's arguments with respect to claim 11 have been considered but are moot in view of the new grounds of rejection.

Conclusion

10. Applicant's amendment necessitated the new grounds of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

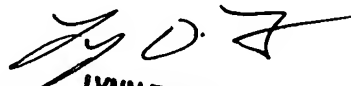
the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey M. Broussard whose telephone number is 571 272 2799. The examiner can normally be reached on 7:30-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on 571 272 2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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